IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Curtis Kirker et al.

Date Filed:

March 11, 2004

Title:

METHOD FOR VIBRATION IN A CENTRIFUGE

MAIL STOP PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 I hereby certify that this Information Disclosure Statement is being deposited with the United States Postal Service as Express Mail No. <u>EV352389006US</u> addressed to: Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date showybelow.

) Jay Howard

March 11, 2004

Date

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Applicants respectfully request, pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form, and previously cited in U.S. Patent Application Serial No. 10/294,840, entitled "System for Vibration in a Centrifuge," filed November 14, 2002, now Patent No. 6,706,180, be considered and cited in the examination of the above-identified divisional application. Pursuant to 37 C.F.R. § 1.98(d), a copy of the references are not being furnished. Furthermore, pursuant to 37 C.F.R. §§1.97(g) and (h), no representation is made that these references are material to the patentability of the present application.

Applicants believe no fees are due for this Information Disclosure Statement, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 50-2148 of Baker Botts L.L.P. in order to effectuate this filing.

Respectfully submitted,

BAKER BOTTS L.L.P. Attorneys for Applicants

Patrick J. Porter Reg. No. 45,658

Date: March 11, 2004

Correspondence Address:

At Customer No. 31625

Telephone: 512.322.2690 Facsimile: 512.322.8385

Page 1 of 7

)-144	19		Application No.						
Info	ormation Disclos	ure Citatio	Unassigned n						
in an Application			Docket Number	•	Group Art	Unit	Filing Da	te	
			066639.0127		Unassig	ned	March	11, 200	4
			U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	(CLASS SUBCLAS		SUBCLASS		G DA
Α.	2028168	01/21/36	Roberts		210	10 76		04/1	4/193
В.	2538529	01/16/51	T.R. Komline		233		20	12/1	3/194
C.	2688437	09/1954	Monnet		223		20		
D.	3327401	06/27/67	Stamos et al.		34		4	10/0	7/196
E.	3937317	02/76	Fleury, Jr.		198	2	213		
F.	3940056	2/24/76	Schmidt		233		20	2/27/74	
G.	3960318	06/1976	Dahlberg		233		4		
Н.	3961746	6/8/76	Werner		233		20	6/28/74	
1.	3967778	07/1976	Hunwick		233		7		
J.	3977515	08/1976	Lewoczko		198	2	213		
K.	4005817	02/1977	Charlton		233		22		
L.	4015773	4/5/77	Thylefors		233		20	1/27/76	
		_!	FOREIGN PATENT DOCUMEN	TS					
- 0	DOCUMENT NO.	DATE	COUNTRY	(CLASS	SUB	CLASS	TRAN YES	SLATI NO
М.	870540	03/42	FR		14		6		X
N.	1038726	10/01/53	FR		5				X
Ο.	1632324	10/29/70	DE (with Translation)]	B04B	3	/20	X	
Р.	0346056	12/89	EP		B04B	1	/08	X	
			NON-PATENT DOCUMENTS	;					
		DOCUMENT (Inc	luding Author, Title, Source, and	Pertiner	nt Pages)			D	ATE
Q.	International Search	Report PCT/U	S 99/15891, 6 pages					07/1	2/199
R.	International Search	Report PCT/U	S 02/13186					09/1	0/200
s.	International Search	Report PCT/U	S 02/36830, 8 pages					03/1	2/200
т.									
MINE	R	DATE CONSIDERED							

0-1449	a		Application No.					
			Unassigned	Kirker et al	Kirker et al.			
info	rmation Disclos in an Applic		Docket Number	Group Art	Unit Filing	ing Date		
	in an Applic	ation	066639.0127	Unassig	ned Mar	ch 11, 200)4	
						· · · · · · · · · · · · · · · · · ·		
	T		U.S. PATENT DOCUMENT	· · · · · · · · · · · · · · · · · · ·	·			
	DOCUMENT NO.	DATE	NAME	CLASS	CLASS SUBCLASS		IG DAT	
Α	4027820	6/7/77	Kulker	233	20	8/	24/76	
В.	4067494	01/1978	Willus	233	3			
C.	4070290	01/1978	Crosby	210	91			
D.	4103822	8/1/78	Stroucken	233	20	6	/6/77	
E	4083488	4/11/78	Gunnewig	233	20	3	/2/77	
F.	4149668	4/17/79	Zurbruggen	233	20	1	/6/78	
G.	4164317	8/14/79	Nelson	233	20	4/	4/24/78	
н.	4251023	02/1981	Hohne	233	1			
1.	4288029	9/8/81	Epper et al.	233	20	11	11/27/79	
J.	4298162	11/81	Hohne	233	7			
K.	4311270	01/19/82	Hovstadius	233	46			
L.	4331270	05/82	Humlong	224	32R			
		<u> </u>	FOREIGN PATENT DOCUME	NTS				
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLAS	S TRAN	SLATI NC	
М.	11330379	10/15/99	JP (abstract)	B04B		X		
N.	2001113204 A	04/01	JP (Abstract)	B04B	1/2		X	
Ο.	00/02663	01/20/00	WO	B04B	1/00	X		
P.	02/42004A1	05/30/02	WO	B04B	15/06		x	
			NON-PATENT DOCUMEN	гѕ				
		DOCUMENT (Incl	uding Author, Title, Source, ar	nd Pertinent Pages)			DATE	
Q.								
R.								
S.								
т.								
MINER	<u> </u>			DATE CONSIDER	RED		<u></u>	

PTO-1449					Application No.							
Information Disclosure Citation in an Application				Unassigned	K							
				Docket Number		Group Art Unit F			Filing Date			
			066639.0127		Unassig	ned	March	1arch 11, 2004				
				U.S	S. PATENT DOCUMENTS					<u> </u>		
		DOCUMENT NO. DATE			NAME		CLASS	SUBCLASS		FILIN	IG DATE	
A	٨.	4343431	08/82		Wehling				20			
E	3.	4375870	3/8/83		Bodelson		494		40	2/:	23/81	
(D.	4379976	04/83	-	Pitchford		310		83			
С	D .	4381849	05/83		Conant		494		43			
E	Ξ.	4410319	10/18/83		Zettier et al.		494		29	4/	28/82	
F	=.	4430221	02/84		Spiewok		210	38	30.1			
(3.	4490133 12/25/84			Zettier		494		27 4		4/8/82	
H	1.	4504262 03/85			Forsberg		494	53				
1.		4505697	03/85		Lee et al.		494		35			
J	J.	4514183 4/30/85			Kohlstette		494		27	3,	/2/83	
ŀ	< .	4519496	05/85		Ludvegsen		198	6	576			
L		4543083	9/24/85		Bounds		494		4	6,	/6/84	
				FORE	EIGN PATENT DOCUMENT	rs						
		DOCUMENT NO. DATE			COUNTRY		CLASS	SUB	CLASS	TRAN YES	SLATION NO	
۸.	И.											
1	٧.								<u> </u>			
	Э.	-										
F	۶.											
			<u></u>	NO	N-PATENT DOCUMENTS							
			DOCUMENT (I	ncluding A	author, Title, Source, and	Pertine	nt Pages)				ATE	
	Q .			· · -·								
F	₹.											
5	S.											
	 г.					· · ·		<u> </u>				
EXAM	IINER					DATI	E CONSIDER	ED		<u></u>		
· · · · · · · · · · · · · · · · · · ·												
EXAN consid	IINER: ered. I	Initial if citation considered	ed, whether or neith next commun	ot citation is	in conformance with MPEP § e applicant.	609. Di	aw line throug	gh citation	if not in con	formance	and not	

O-1449			Application No.	Application No. Applicant(s)																					
Infor	matian Disales	uro Citation	Unassigned	K	irker et al																				
Information Disclosure Citation in an Application			Docket Number		Group Art Unit		Filing Da	ite																	
			066639.0127		Unassig	ned	March	11, 2004																	
			U.S. PATENT DOCUME	NTS	<u> </u>																				
	DOCUMENT NO.	NAME	(CLASS	SUB	CLASS	FILIN	IG DATI																	
Α.	4569761	02/86	Spiewok et al.		210	38	30.1																		
B.	4581896	04/86	Andresen		60	4	87		- 1-5																
C.	4629564	12/86	Pinato		210	5	12																		
D.	4643709	02/87	Lee et al.		494		37																		
E.	4645485	2/24/87	Neimerg		494		27	11/	/27/85																
F.	4698053	10/87	Stroucken		494		70																		
G.	4701158	10/87	Inge et al.		494		74																		
Н.	4710159	12/87	Gullers		494	27		27		27		27		27		27		27		27		27			
I.	4721505	01/88	Inge et al.		494		74																		
J.	4717376	1/5/88	Bruning et al.		494		40	7/3/8																	
K.	4729759	03/88	Krook		494		4																		
L.	4784634	11/88	Schiele		494		56																		
		J	FOREIGN PATENT DOCU	WENTS																					
	DOCUMENT NO.	COUNTRY		CLASS	SUB	SUBCLASS		SLATIC NO																	
M.	· · · · · · · · · · · · · · · · · · ·							YES																	
N.																									
0.																									
P.							· · · · · · · · · · · · · · · · · ·																		
			NON-PATENT DOCUME	NTS			-																		
		DOCUMENT (Incl	uding Author, Title, Source,	and Pertiner	nt Pages)				DATE																
Q.		•																							
R.								-																	
<u> </u>																									
S.								 																	
Т.				T DAME	CONGINE	DED.		<u></u>																	
AMINER				DATE	E CONSIDEI	ŒŊ																			
	T. 141-1-16-14-41	ad whether or not o	tation is in conformance with M	DED 8 600 Dr		ah citation	· · · · · · · · · · · · · · · · · · ·	oformanos	and not																

- O-1449)	.	Application No. Applicant(s)					_			
Information Disclosure Citation in an Application				Unassigned		Kirker et al					
				Docket Number		Group Art Unit Filing			Date		
				066639.0127		Unassig	ned	March 11, 2004			
				J.S. PATENT DOCUMEN	rs						
	DOCUMENT NO. DATE			NAME		CLASS	SUB	CLASS	FILIN	NG DAT	
Α.	4813923	03/89		Johansson		494		48			
В.	4820256	04/89		Nordstrom		494		3			
C.	4840612	6/20/89		Pallmar		494		2	6/	17/88	
D.	4861329	08/89		Borgstrom et al.		494		67			
E.	4925442	5/15/90		Bodelson		494		40	11.	/16/87	
F.	4978331	12/90		Luchetta		494		37			
G.	5045049	09/91		Lantz		494		70			
Н.	5052996	10/91		Lantz		494		68			
l.	5197939	03/93		Cederkvist		494		53			
J.	5202024	04/93		Andersson et al.		210	:	360			
K.	5244584	09/93		Schlieperskoetter 210 787				787			
L.	5338284	8/16/94		Knelson		494		28	7/	30/92	
_			FO	REIGN PATENT DOCUME	ENTS						
	DOCUMENT NO. DATE			COUNTRY		CLASS	SUBCLASS		TRAN YES	ISLATIO NO	
М.											
N.											
0.											
P.						-					
		<u> </u>	P	ON-PATENT DOCUMEN	TS						
		DOCUMENT (Inc	luding	Author, Title, Source, a	nd Pertine	ent Pages)			DATE		
Q.											
R.											
S.							·				
т.					·. ——				1		
AMINER				DAT	E CONSIDER	RED					

PTO-14	 149	Application No.	A	Applicant(s)							
Information Disclosure Citation in an Application				Unassigned	K	Kirker et al.					
				Docket Number Group Art Unit			Unit	Filing Date			
				066639.0127		Unassigi	ned	March	n 11, 2004		
			U.S	S. PATENT DOCUMENTS			· · · · · · · · · · · · · · · · · · ·				
	DOCUMENT NO.	DOCUMENT NO. DATE			C	CLASS	SUB	CLASS	FILIN	G DATE	
A.	5362292	11/94	Borgstrom et al.			494		74			
B.	5374234	12/94		Madsen		494		53			
C.	5380434	01/95		Paschedag		210	3	60			
D.	5397471	03/95		Rodebush		210	3	60			
Ε.	5429581	07/95		Michand		494		54			
F.	5601522	02/97		Piramoon		156	1	72			
G.	5599271	5599271 2/4/97				494		37		5/19/94	
H.	5601524	2/11/97		Knelson		494	:	29		4/95	
1.	5618409	4/8/97	77 Kreill			210	97		9/16/92		
J.	5759744	06/98		Brueck et al.		430	3	12			
К.	5779619	7/14/98	Borgstrom et al.			494		56	4/2	20/95	
L.	5792037 8/11/98			Bodelson et al.		494 40			5/24/96		
			FORE	EIGN PATENT DOCUMENT	s						
	DOCUMENT NO.	DATE		COUNTRY	(CLASS	SUB	CLASS	TRAN YES	SLATION_ NO	
M.											
N.											
О.											
P.											
l			NO	N-PATENT DOCUMENTS							
		DOCUMENT (I	ncluding A	author, Title, Source, and F	ertiner	it Pages)		-	D	ATE	
Q.											
R.											
S.										· · · · · · · · · · · · · · · · · · ·	
Т.											
EXAMIN		DATE	CONSIDER	ED	_						
EXAMIN	ER: Initial if citation consider	ed, whether or ne	ot citation is	in conformance with MPEP §	609. Dr	aw line throug	th citation i	f not in con	formance	and not	

РТ	O-1449			Application No.	Application No. Applicant(s)					
		rmation Disclos	sure Citation	Unassigned	Kirker et al.					
		in an Applic		Docket Number	Group Art	Unit	Filing Da	ite		
				066639.0127	Unassig	ned	March	th 11, 2004		
				U.S. PATENT DOCUMEN	NTS					
		DOCUMENT NO.	DATE	NAME	CLASS	SUBC	CLASS	FILIN	IG DATE	
	A.	6033564	03/07/00	Kirker et al.	210	2	32	09/1	8/1998	
	B.	6149572	11/21/00	Knelson	494] 3	37	07/2	2/1998	
	C.	6312610	11/06/01	Kirker et al.	210	7	81	07/1	3/1998	
	D.	6322698	11/27/01	Rios et al.	210	32	1.75	06/2	8/1996	
	E.	6248053	06/2001	Ehnstrom et al.	494	5	56			
	F.	6358193	3/19/02	Nyberg	494		2	9/14/98		
	G.	6390964	5/21/02	Mackel	494	1	14	2/26/00		
	Н.	6468198	10/22/02	Mackel	494	494 37			7/5/99	
	I.									
	J.									
	K.									
	L.									
				FOREIGN PATENT DOCUM	MENTS	<u> </u>		·		
	Ţ	DOCUMENT NO. DATE		COUNTRY	CLASS	SUBC	CLASS	YES	SLATION NO	
	M.									
	N.									
	0.									
	P.			-						
		1		NON-PATENT DOCUME	NTS	<u> </u>		<u> </u>		
	<u> </u>		DOCUMENT (Incl	uding Author, Title, Source, a	and Pertinent Pages)			DATE		
	Q.									
	R.									
_	s.									
	T.						·			
EX	AMINER				DATE CONSIDER	ED .				
EX	AMINER	t: Initial if citation consider	red, whether or not c	tation is in conformance with MP	PEP § 609. Draw line throug	gh citation i	f not in cor	nformance	and not	
Cor	isidered.	Include copy of this form w	vitii next communica	non to the appreant.						